

What is claimed is:

1. A latch device comprising:

a housing,

5 a movable member movably disposed in the housing and having front and back surfaces,

an urging member disposed in the housing for urging the movable member in a direction to project from the housing,

a switch disposed in the housing for turning on and off according to a position of the movable member in the housing, and

10 a push-push type lock mechanism disposed in the housing for locking and unlocking the movable member inside the housing, and including first lock members disposed on the front and back surfaces of the movable member, and second lock members situated at sides of the housing facing the first lock members and locking 15 and unlocking with the first lock members.

2. A latch device according to claim 1, wherein said push-push type lock mechanism has a lock position for locking the movable member inside the housing by pushing the movable member into the 20 housing against an urging force of the urging member, said locking mechanism releasing the movable member by pushing the movable member again into the housing to thereby return the movable member by the urging force.

25 3. A latch device according to claim 1, wherein said switch includes first switch terminals disposed on the front and back surfaces of the movable member, and second switch terminals situated at sides of the housing facing the first switch terminals.

4. A latch according to claim 3, wherein said first switch terminals are electrically connected together.
5. A latch device according to claim 4, wherein said first switch terminals are formed in a U-shape.
6. A latch device according to claim 5, wherein each of said second switch terminals has an engaging portion engaging the housing and projects outwardly from the housing when the second switch terminal is fixed to the housing through the engaging portion.
7. A latch device according to claim 1, wherein said first lock members are located on the front and back surfaces of the movable member symmetrically with respect to a center plane between the front and back surfaces of the movable member, and said second lock members are integrally formed to have a C-shape with ends engaging the first lock members.
- 20 8. A latch device according to claim 7, wherein said movable member is formed of a columnar portion on which a part of the switch is disposed, and a plate portion attached to one side of the columnar portion on which the first lock members are formed symmetrically.
- 25 9. A latch device according to claim 8, wherein said movable member further includes engaging pieces pivotally attached to one end thereof, said engaging pieces holding a member therebetween when the engaging pieces are located inside the housing.

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